

WHAT IS CLAIMED IS:

1. A dustproof structure for a sleeve bearing, comprising:
 - an axial tube having a tubular body;
 - a sleeve bearing mounted in the axial tube, the sleeve bearing including
 - 5 an axial hole through which to extend a shaft of a motor rotor;
 - a dustproof cushion received in the axial tube and attached to an end surface of the sleeve bearing for preventing foreign dust entering into a gap formed between an inner circumference of the axial tube and an outer circumference of the sleeve bearing, the dustproof cushion including an
 - 10 axial hole through which to extend the shaft of the motor rotor; and
 - at least one oil-returning groove being formed on a surface of the dustproof cushion facing the end surface of the sleeve bearing and adapted to re-lubricate an inner circumference of the axial hole of the sleeve bearing.
2. The dustproof structure for a sleeve bearing as defined in Claim 1,
- 15 wherein the oil-returning groove is recessed on the surface the dustproof cushion and radially extended.
3. The dustproof structure for a sleeve bearing as defined in Claim 1, wherein dustproof cushion includes the annular wall projected upward from an inner periphery of the axial hole that the entire structure is relatively
- 20 rigid and strong.

4. The dustproof structure for a sleeve bearing as defined in Claim 1, wherein the dustproof cushion includes a buffer space connected with an end of the oil-returning grooves proximate the axial hole.

5. The dustproof structure for the sleeve bearing as defined in Claim 1,
5 wherein the sleeve bearing includes an oil-returning groove on the end surface.

6. The dustproof structure for the sleeve bearing as defined in Claim 5, wherein the sleeve bearing includes two oil-returning grooves on its two end surfaces, and the oil-returning grooves further connects to an oil-guiding
10 groove longitudinally extended on the outer circumference of the sleeve bearing.

7. The dustproof structure for the sleeve bearing as defined in Claim 1, wherein the dustproof cushion is fittingly mounted in the axial tube, the dustproof cushion is further spaced a predetermined distance from the end
15 surface of the sleeve bearing so that an oil-returning channel is formed between the end surface of the sleeve bearing and the dustproof cushion.

8. The dustproof structure for the sleeve bearing as defined in Claim 1, wherein the dustproof cushion is integrally formed with the axial tube, the dustproof cushion is further spaced a predetermined distance from the end
20 surface of the sleeve bearing so that an oil-returning channel is formed

between the end surface of the sleeve bearing and the dustproof cushion.

9. The dustproof structure for the sleeve bearing as defined in Claim 1, wherein the dustproof cushion includes an annular engaging wall and an engaging flange thereof; the annular engaging wall is projected upward from
5 an outer periphery of the dustproof cushion while the engaging flange being extended from a top portion of the annular engaging wall.